FIG. 1 (Prior Art)

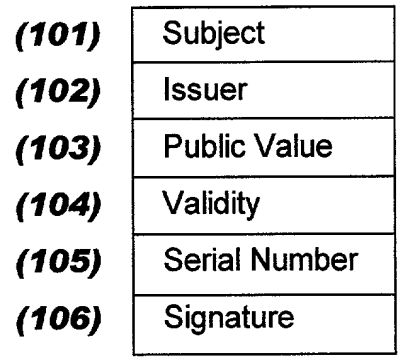


FIG. 2 (Prior Art)

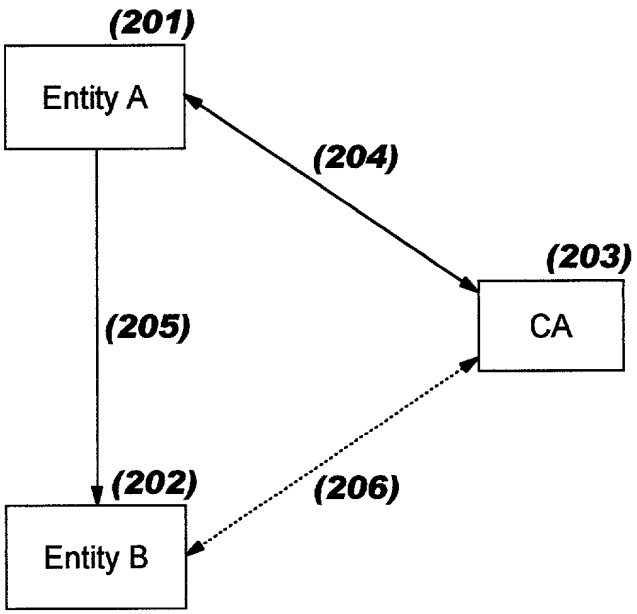


FIG. 3

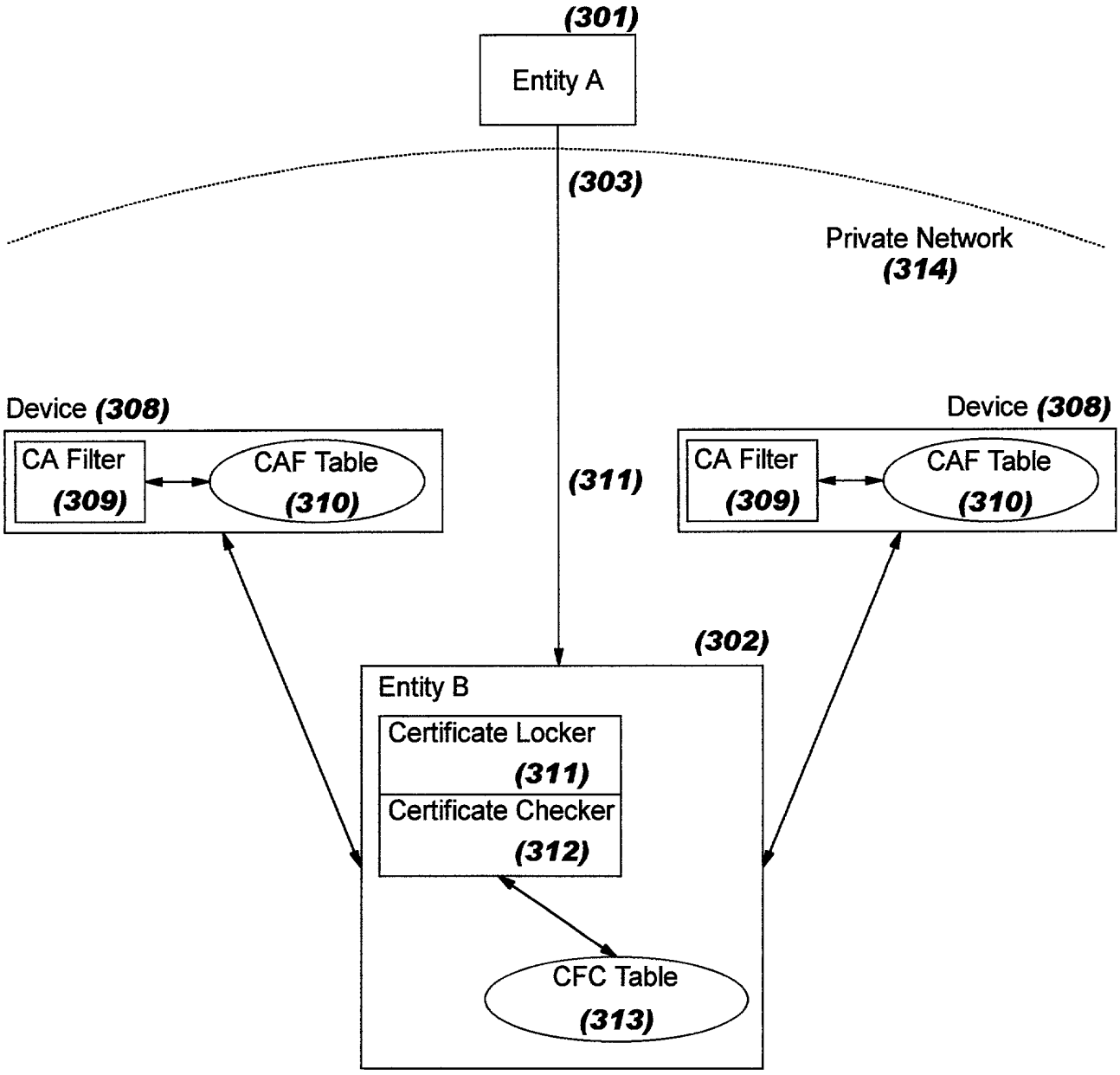

(301)
Entity A
(303)
Private Network
(314)
Device (308)
CA Filter
(309)
CAF Table
(310)
(311)
Device (308)
CA Filter
(309)
CAF Table
(310)
(302)
Entity B
Certificate Locker
(311)
Certificate Checker
(312)
CFC Table
(313)

FIG. 4

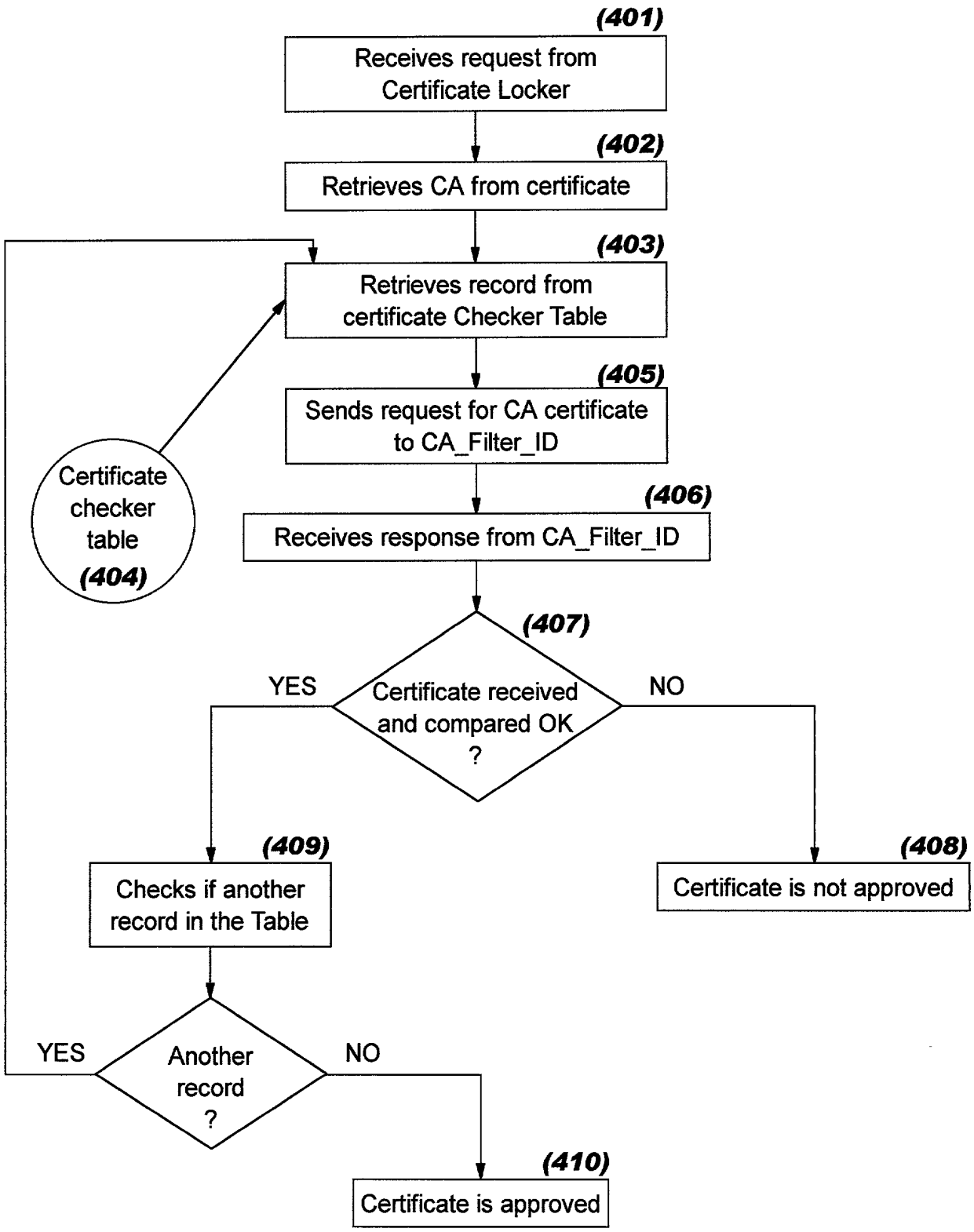

(401)
Receives request from Certificate Locker
(402)
Retrieves CA from certificate
(403)
Retrieves record from certificate Checker Table
(405)
Sends request for CA certificate to CA_Filter_ID
Certificate checker table
(404)
(406)
Receives response from CA_Filter_ID
(407)
Certificate received and compared OK ?
YES
NO
(409)
Checks if another record in the Table
(408)
Certificate is not approved
YES
Another record ?
NO
(410)
Certificate is approved

FIG. 5

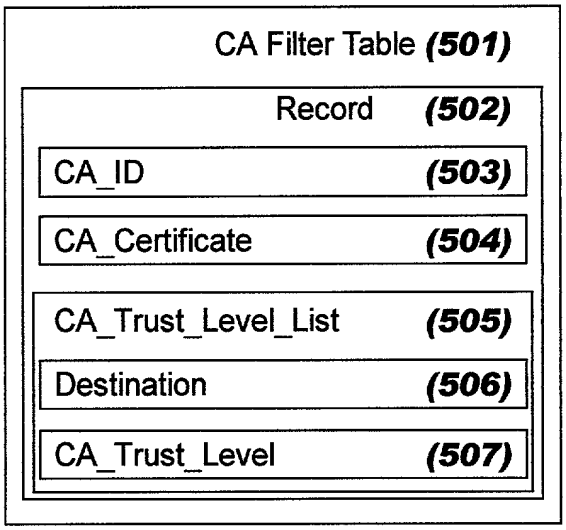

CA Filter Table (501)
Record (502)
CA_ID (503)
CA_Certificate (504)
CA_Trust_Level_List (505)
Destination (506)
CA_Trust_Level (507)

FIG. 6

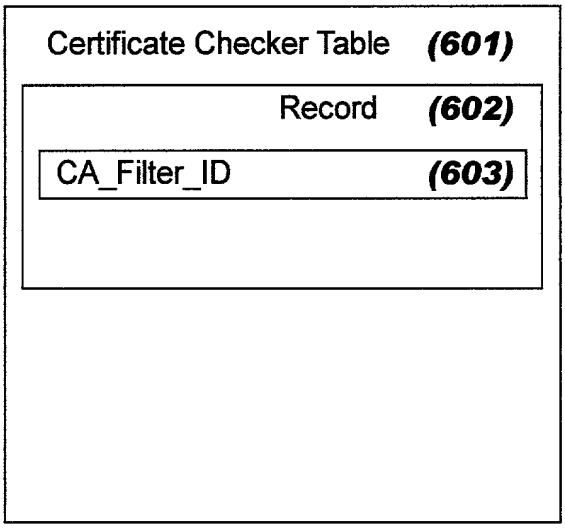
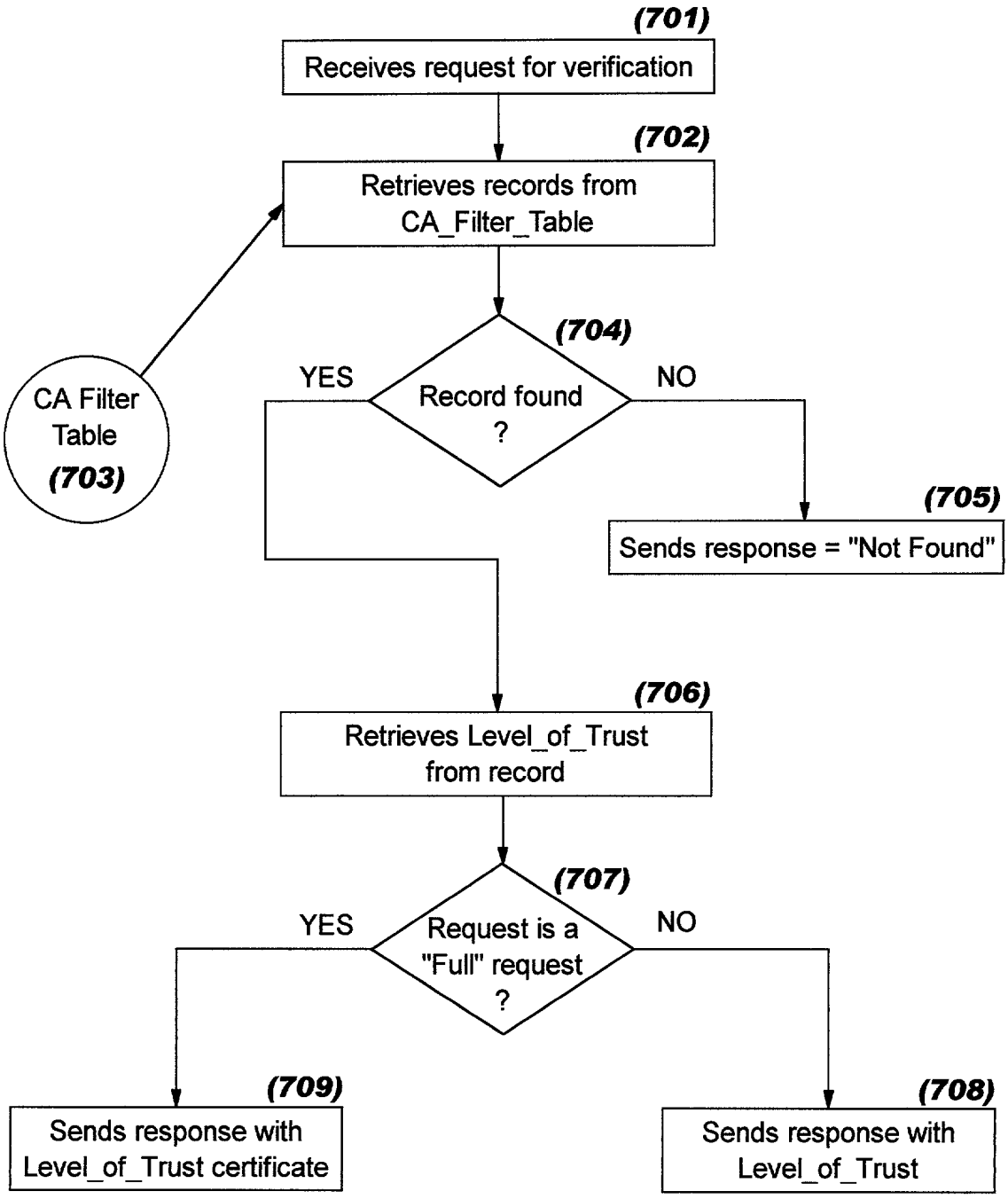


FIG. 7


(701)
Receives request for verification
(702)
Retrieves records from CA_Filter_Table
CA Filter Table
(703)
(704)
YES
Record found ?
NO
(705)
Sends response = "Not Found"
(706)
Retrieves Level_of_Trust from record
(707)
YES
Request is a "Full" request ?
NO
(709)
Sends response with Level_of_Trust certificate
(708)
Sends response with Level_of_Trust